

Title (en)

Method and apparatus for positioning transducers by digital conversion of analog signals.

Title (de)

Verfahren und Gerät zur Positionierung von Abtastköpfen mittels digitaler Umsetzung analoger Signale.

Title (fr)

Méthode et appareil pour positionner des transducteurs en convertissant des signaux analogiques en signaux numériques.

Publication

**EP 0159841 A2 19851030 (EN)**

Application

**EP 85302380 A 19850404**

Priority

US 59701284 A 19840405

Abstract (en)

A method of and apparatus for obtaining digital expression of analog signals, in particular signals produced by «reading» (i.e., transducing) head-positioning information recorded on storage media, for example magnetic recording media. Head-positioning signals (36, 38) constitute signals bursts which are processed to obtain pulses whose width is dictated by the amplitude of the detected bursts, and the pulse width in each instance is expressed digitally by using the magnitude of the pulse to drive a counter-timer (61). The resulting count integrally embodies a digitized representation of the initial analog signal burst, which is directly available for further processing by digital means and for storage in digital memory apparatus.

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IPC 8 full level

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CPC (source: EP KR US)

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Citation (applicant)

- US 4472750 A 19840918 - KLUMPP MARLIN K [US], et al
- EP 85301749 A 19850313

Cited by

EP0308062A3; EP0420440A1

Designated contracting state (EPC)

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**EP 0490876 A2 19920617**; **EP 0490876 A3 19950329**; AT E117824 T1 19950215; AU 4016285 A 19851010; AU 579617 B2 19881201; BR 8501572 A 19851203; CA 1232065 A 19880126; DE 3587982 D1 19950309; DE 3587982 T2 19950907; EP 0159841 A2 19851030; EP 0159841 A3 19880622; EP 0159841 B1 19950125; ES 541943 A0 19860901; ES 8609789 A1 19860901; IE 850709 L 19851005; JP H06105540 B2 19941221; JP S60229279 A 19851114; KR 850007513 A 19851204; KR 910003019 B1 19910515; US 4646175 A 19870224

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**EP 92102582 A 19850404**; AT 85302380 T 19850404; AU 4016285 A 19850320; BR 8501572 A 19850403; CA 476933 A 19850319; DE 3587982 T 19850404; EP 85302380 A 19850404; ES 541943 A 19850403; IE 70985 A 19850320; JP 7187185 A 19850404; KR 850002260 A 19850404; US 59701284 A 19840405